

Title (en)
Coupling for deformable tubes.

Title (de)
Verbindung für deformierbare Rohre.

Title (fr)
Raccordement pour tubes déformables.

Publication
EP 0203887 A2 19861203 (FR)

Application
EP 86810205 A 19860506

Priority
CH 230885 A 19850531

Abstract (en)
The coupling comprises a male sleeve (10) with an external screw thread, an inserted collar (8) which bears between the tube (2) and a female nut (1) surrounding and completely covering the collar, and an internal piece (14) of revolution, on which the previously widened tube (2) bears. The collar (8) and the inner piece (14) together define an annular space (16) which widens, and then is straight, and which comprises a first throat (19) receiving an O-ring seal, and a second throat (21) in which the tube (2) is anchored. A second seal (22) serves as an abutment at the bottom of the annular space (16), and the nut (1) is fixed onto the sleeve (10), pushing the tube (22) back against the collar (8). <IMAGE>

Abstract (fr)
Le raccordement comprend un manchon (10) mâle fileté extérieurement, une bride intercalaire (8) qui prend appui entre le tube (2) et un écrou (1) femelle entourant et recouvrant complètement la bride, et une pièce interne (14) de révolution sur laquelle le tube (2) préalablement évasé vient s'appuyer. La bride (8) et la pièce interne (14) définissent à elles deux un volume annulaire (16) évasé, puis droit, qui comprend une première gorge (19) recevant un joint torique et une seconde gorge (21) dans laquelle le tube (2) vient s'ancrer. Un second joint (22) fait butée au fond du volume annulaire (16) et l'écrou (1) vient se fixer sur le manchon (10) en repoussant le tube (22) contre la bride (8).

IPC 1-7
F16L 19/04

IPC 8 full level
F16L 19/04 (2006.01); **F16L 33/22** (2006.01)

CPC (source: EP US)
F16L 19/0283 (2013.01 - EP US); **F16L 19/041** (2013.01 - EP); **F16L 47/041** (2019.07 - EP US)

Cited by
DE4141309A1; DE10110356C1; US10364922B2; US2018104995A1; US10513157B2; DE10009138A1; DE10009138C2; EP1128116A3; GB2321288A; GB2321288B; US5988702A; US9890880B2; US7498509B2; WO9712115A3; WO0075550A1; WO9927289A1

Designated contracting state (EPC)
AT BE DE FR GB IT LU NL SE

DOCDB simple family (publication)
EP 0203887 A2 19861203; EP 0203887 A3 19881214; EP 0203887 B1 19910320; AT E61861 T1 19910415; AU 577948 B2 19881006; AU 5797986 A 19861204; CA 1301210 C 19920519; CH 664812 A5 19880331; DE 203887 T1 19870903; DE 3678203 D1 19910425; JP S6224092 A 19870202

DOCDB simple family (application)
EP 86810205 A 19860506; AT 86810205 T 19860506; AU 5797986 A 19860527; CA 510520 A 19860530; CH 230885 A 19850531; DE 3678203 T 19860506; DE 86810205 T 19860506; JP 12385786 A 19860530